INTERNATIONAL SEARCH REPORT

Interr al Application No PCT/US2004/033194

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A CLASSI IPC 7	FICATION OF SUBJECT MATTER C12M3/00 C12N5/00							
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC						
B. FIELDS	SEARCHED							
Minimum do IPC 7	cumentation searched (classification system followed by classification C12M C12N	ion symbots)		•				
	on searched other than minimum documentation to the extent that a							
Electronic da	ata base consulted during the International search (name of data ba	se and, where practical,	search terms used)					
EPO-In	ternal		•					
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the rela	evant passages	Relevant to cla	im No.				
Y	LU ET AL.: "Diamond-like carbon culture and medical application" BIO-MEDICAL NATERIALS AND ENGINE vol. 3, no. 4, 1993, pages 223-23 XP008048975	ERING.	1-10, 19-23, 38,39					
	USA the whole document							
γ ·	WO 99/25396 A (THE REGENTS OF THUNIVERSITY OF MICHIGAN; UNIVERSITY MASSACHUSETTS) 27 May 1999 (1999 page 2, line 11 - line 23 page 5, line 12 - line 22 page 9, line 1 - page 10, line 2 page 15, line 28 - page 16, line	TY OF -05-27) 3	1-10, 19-23, 38,39					
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X Furth	er documents are listed in the continuation of box C.	X Patent family n	nembers are listed in annex.					
° Special cat	egories of cited documents :	"T" later document publ	ished after the International filing date					
	nt defining the general state of the art which is not Bred to be of particular relevance	or priority date and cited to understand invention	not in conflict with the application but I the principle or theory underlying the					
"E" earlier de filing de	ocument but published on or after the International ate	"X" document of particu	lar relevance; the claimed invention red novel or cannot be considered to					
which is	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another	Involve an inventiv "Y" document of particu	e step when the document is taken alone lar relevance; the claimed invention					
	or other special reason (as specified) Intreferring to an oral disclosure, use, exhibition or	document is comb	red to involve an inventive step when the ned with one or more other such docu- nation being obvious to a person skilled					
"P" documer	ant published prior to the international filing date but an the priority date claimed	in the art.	of the same patent family					
Date of the a	ctual completion of the international search	Date of mailing of th	e international search report					
28	3 June 2005	06. 0	9. 2005					
Name and m	alling address of the ISA	Authorized officer						
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	0.1]					
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Inti ial Application No PCT/US2004/033194

	INTERNATIONAL SEARCH REPORT	PC1/US2004/033194
	ntion) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 449 383 A (CHATELIER ET AL) 12 September 1995 (1995-09-12) column 3, line 13 - line 25; claims 1-11	1-10, 19-23, 38,39
A	US 5 324 591 A (GEORGER, JR. ET AL) 28 June 1994 (1994-06-28)	1-10, 19-23,
	claims 1-20	38,39
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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 23 because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 23 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-10, 19-23, 38, 39
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10,19-23,38,39

Surface suitable for the growth and attachment of cells comprising a biopolymer coated with diamond-like carbon.

2. claims: 11-14

Apparatus for detection of neural cell signals, comprising a biopolymer substrate having embedded or incorporated during its synthesis an attachment reagent.

3. claims: 15-18,24-28

A three dimensional medium suitable for supporting the growth of neural cells comprising a semi-solid biopolymer.

4. claims: 29-37

Laboratory apparatus having an internal coating suitable for inducing the growth and attachment of cells, wherein the coating is a film of diamond-like carbon.

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9925396	A	27-05-1999	AU WO	1588099 A 9925396 A2	07-06-1999 27-05-1999
US 5449383	Α	12-09-1995	NONE		
US 5324591	Α	28-06-1994	US US US US EP US US US	5077085 A 5079600 A 5510628 A 5721131 A 0506993 A1 5389496 A 5500315 A 5965305 A 5391463 A	31-12-1991 07-01-1992 23-04-1996 24-02-1998 07-10-1992 14-02-1995 19-03-1996 12-10-1999 21-02-1995